AMENDMENTS

Claims 22-28 and 38 are pending. Claims 22-28 are all dependent on claim 38 and therefore have the limitations of claim 38.

38.   (Presently Amended) A cardiovascular healthcare management system comprising:

    (a) an infomediary site having databases for cardiovascular healthcare management which includes a database of test results of concentration of subclasses of LDL particles and subclasses of HDL particles from cardiovascular patients;

    (b) a data entry interface for receiving patient personal data and test results for concentration of subclasses of LDL particles and subclasses of HDL particles storing the data and results in the infomediary site databases;

    (c) a diagnostic engine for analyzing patient test results for subclasses of LDL particles, subclasses of HDL particles data and identifying patients who do not have hyperlipidemia based on total LDL cholesterol and total HDL cholesterol, but are in need of treatment; and

    (d) wherein the subclasses of LDL particles and subclasses of HDL particles are levels determined by segmented gradient gel eletrophoresis and wherein the particle sub-classes include HDL 2b.

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1.   (Canceled)

2.   (Canceled)

3.   (Canceled)

4.   (Canceled)

5.   (Canceled)

6.   (Canceled)

7.   (Canceled)

8.   (Canceled)

9.   (Canceled)

10.   (Canceled)

11.   (Canceled)

12.   (Canceled)

13.   (Canceled)

14.   (Canceled)

15.   (Canceled)

16.   (Canceled)

17.   (Canceled)

18.   (Canceled)

19.   (Canceled)

20.   (Canceled)

21.   (Canceled)

22.   (Previously Presented) The cardiovascular healthcare management system of claim 38 further comprising a physician data access interface to allow physician access to the infomediary databases.

23.   (Previously Presented) The cardiovascular healthcare management system of claim 38 further comprising a communication system allowing the physician to communicate cardiovascular healthcare management information to the patient.

24.   (Previously Presented) The cardiovascular healthcare management system of claim 38 further comprising a cardiovascular knowledge base that stores information related to cardiovascular risk factors.

25.   (Previously Presented) The cardiovascular healthcare management system of claim 38 wherein the diagnostic engine includes algorithms for associating test results with possible treatments.

26.   (Previously Presented) The cardiovascular healthcare management system of claim

38 wherein the diagnostic engine includes algorithms for associating test results with possible diagnoses.

27.   (Previously Presented) The cardiovascular healthcare management system of claim 38 wherein the diagnostic engine includes algorithms for associating diagnosis information with possible treatment plans.

28.   (Previously Presented) The cardiovascular healthcare management system of claim 27 wherein the treatment plans include personalized drugs, diet and exercise suggestions.

29.   (Canceled)
30.   (Canceled)
31.   (Canceled)
32.   (Canceled)
33.   (Canceled)
34.   (Canceled)
35.   (Canceled)
36.   (Canceled)
37.   (Canceled)

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38.   (Currently Amended) A cardiovascular healthcare management system comprising:

(a) an infomediary site having databases for cardiovascular healthcare management which includes a database of test results of concentration of subclasses of LDL particles and subclasses of HDL particles from cardiovascular patients;

(b) a data entry interface for receiving patient personal data and test results for concentration of subclasses of LDL particles and subclasses of HDL particles storing the data and results in the infomediary site databases;

(c) a diagnostic engine for analyzing patient test results for subclasses of LDL particles, subclasses of HDL particles data and identifying patients who do not have hyperlipidemia based on total LDL cholesterol and total HDL cholesterol, but are in need of treatment; and

(d) wherein the subclasses of LDL particles and subclasses of HDL particles are levels determined by segmented gradient gel eletrophoresis and wherein the particle sub-classes include HDL 2b.

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